=> d ibib abs 1-4

L12 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 1998:25104 USPATFULL

TITLE: Expression and export technology of proteins as

immunofusins

Lo, Kin-Ming, Wellesley, MA, United States INVENTOR(S):

Sudo, Yukio, Lexington, MA, United States

Gillies, Stephen D., Carlisle, MA, United States

Fuji ImmunoPharmaceuticals Corp., Lexington, MA, United PATENT ASSIGNEE(S):

States (U.S. corporation)

NUMBER KIND DATE

US 5726044 19980310 US 1995-528122 19950914 (8) PATENT INFORMATION: APPLICATION INFO.:

Continuation-in-part of Ser. No. US 1994-305700, filed RELATED APPLN. INFO.:

on 14 Sep 1994, now patented, Pat. No. US 5541087

Utility DOCUMENT TYPE: FILE SEGMENT: Granted

Eisenschenk, Frank C. PRIMARY EXAMINER:

ASSISTANT EXAMINER: Rabin, Evelyn

LEGAL REPRESENTATIVE: Testa, Hurwitz & Thibeault, LLP

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 4 Drawing Figure(s); 1 Drawing Page(s)

LINE COUNT: 1312

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Disclosed are DNAs produced by recombinant techniques for inducing the AΒ expression and subsequent secretion of a target protein. The

DNAs encode, in their 5' to 3' direction, a secretion cassette, including a signal sequence and an immunoglobulin Fc region, and a target protein. The DNAs can be transfected into a host

cell for the expression, production and subsequent secretion of the

target protein as a fusion protein. The

secreted protein can be collected from the extracellular space, and further purified as desired. The secreted fusion protein additionally can be proteolytically cleaved to release

the target protein from the secretion cassette.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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ACCESSION NUMBER: 1999043713 PCTFULL ED 20020515

ENHANCING THE CIRCULATING HALF-LIFE OF ANTIBODY-BASED TITLE (ENGLISH):

FUSION PROTEINS

TITLE (FRENCH): AMELIORATION DE LA DEMI-VIE CIRCULANTE DE PROTEINES

HYBRIDES A BASE D'ANTICORPS

GILLIES, Stephen, D.; INVENTOR (S):

LO, Kin-Ming;

LAN, Yan;

WESOLOWSKI, John

PATENT ASSIGNEE(S): LEXIGEN PHARMACEUTICALS CORPORATION

English LANGUAGE OF PUBL.:

Patent DOCUMENT TYPE:

PATENT INFORMATION:

KIND DATE NUMBER ______

WO 9943713 A1 19990902

DESIGNATED STATES

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AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
      W:
                       ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
                       KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
                       RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
                       GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
                       AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
                       BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
                       WO 1999-US3966 A 19990224
APPLICATION INFO.:
                       US 1998-60/075,887 19980225
PRIORITY INFO.:
      Disclosed are methods for the genetic construction and expression of
ABEN
       antibody-based fusion
       proteins with enhanced circulating half-lives. The fusion
       proteins of the present invention lack the
       ability to bind to immunoglobulin Fc receptors, either as a
       consequence of the antibody isotype used
       for fusion protein construction, or through directed
       mutagenesis of antibody isotypes that normally
       bind Fc receptors. The fusion proteins of the present
       invention may also contain a functional domain
       capable of binding an immunoglobulin protection receptor.
       On decrit des procedes de construction genetique et d'expression de
ABFR
       proteines hybrides a base
       d'anticorps ayant une demi-vie circulante amelioree. Les proteines
       hybrides de l'invention sont
       incapables de se lier aux recepteurs pour le fragment Fc des
       immunoglobulines, soit en consequence
       de l'utilisation de l'isotype des anticorps pour construire la proteine
       hybride, soit par mutagenese
       dirigee des isotypes des anticorps qui se lient normalement aux
       recepteurs pour le fragment Fc. Les
       proteines hybrides de l'invention peuvent egalement contenir un domaine
       fonctionnel capable de lier
       un recepteur de protection des immunoglobulines.
                        PCTFULL COPYRIGHT 2004 Univentio on STN
       ANSWER 3 OF 4
ACCESSION NUMBER:
                        1997028267 PCTFULL ED 20020514
                        ANTIBODIES AND IMMUNOGLOBULIN FUSION PROTEINS HAVING
TITLE (ENGLISH):
                       MODIFIED EFFECTOR FUNCTIONS AND USES THEREFOR
                        ANTICORPS ET PROTEINES DE FUSION D'IMMUNOGLOBULINE
TITLE (FRENCH):
                        PRESENTANT DES FONCTIONS D'EFFECTEUR MODIFIEES ET LEURS
                        UTILISATIONS
                        GRAY, Gary, S.;
INVENTOR(S):
                        CARSON, Jerry;
                        JAVAHERIAN, Kashi;
                        JELLIS, Cindy, L.;
RENNERT, Paul, D.;
                        SILVER, Sandra
                        REPLIGEN CORPORATION;
PATENT ASSIGNEE(S):
                        GRAY, Gary, S.;
                        CARSON, Jerry;
                        JAVAHERIAN, Kashi;
                        JELLIS, Cindy, L.;
                        RENNERT, Paul, D.;
                        SILVER, Sandra
                        English
LANGUAGE OF PUBL .:
                        Patent
DOCUMENT TYPE:
PATENT INFORMATION:
                        NUMBER
                                 KIND DATE
                        _____
                          WO 9728267 A1 19970807
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DESIGNATED STATES

W:

AU CA JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC

NL PT SE

APPLICATION INFO.:

WO 1997-US1698

A 19970203

PRIORITY INFO.: CTLA4-immunoglobulin fusion proteins having modified

US 1996-8/595,590 19960202

immunoglobulin constant region-mediated

effector functions, and nucleic acids encoding the fusion

proteins, are described. The

CTLA4-immunoglobulin fusion proteins comprise two

components: a first peptide having a CTLA4

activity and a second peptide comprising an

immunoglobulin constant region which is modified to

reduce at least one constant region-mediated biological effector

function relative to a CTLA4-IgG1

fusion protein. The nucleic acids of the invention

can be integrated into various expression

vectors, which in turn can direct the synthesis of the corresponding proteins in a variety of hosts,

particularly eukaryotic cells. The CTLA4-immunoglobulin

fusion proteins described herein can be

administered to a subject to inhibit an interaction between a CTLA4 ligand (e.g., B7-1 and/or B7-2)

on an antiqen presenting cell and a receptor for the CTLA4 ligand (e.g., CD28 and/or CTLA4) on the

surface of T cellsto thereby suppress an immune response in the subject, for example to inhibit

transplantation rejection, graft versus host disease or autoimmune

ABFR

Proteines de fusion de CTLA4-immunoglobuline

presentant des fonctions d'effecteur par la region

constante d'immunoglobuline modifiees, et acides nucleiques

codant les proteines de fusion. Les

proteines de fusion de CTLA4-immunoglobuline sont

constituees de deux elements: un premier peptide

presentant une activite CTLA4 et un deuxieme peptide

comprenant une region constante

d'immunoglobuline modifiee pour reduire au moins une fonction

d'effecteur biologique par la region

constante d'immunoglobuline, par rapport a une proteine de

fusion CTLA4-IgG1. Les acides nucleiques

decrits peuvent s'integrer dans differents vecteurs d'expression,

lesquels peuvent a leur tour

commander la synthese des proteines correspondantes dans differents hotes, en particulier les

cellules eucaryotes. Les proteines de fusion de CTLA4-

immunoglobuline decrites ici peuvent etre

administrees a un sujet pour inhiber une interaction entre un ligand DTLA4 (par exemple, B7-1 et/ou

B7-2) sur une cellule presentant un antigene et un recepteur pour le ligand CTLA4 (par exemple CD28

et/ou CTLA4) a la surface de cellules T pour supprimer ainsi une reponse immunitaire du sujet, par

exemple pour inhiber le rejet de transplantation, les reaction de greffon contre l'hote ou les

reactions auto-immunes.

ANSWER 4 OF 4 L12

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ACCESSION NUMBER:

1996018412 PCTFULL ED 20020514

TITLE (ENGLISH):

CHIMERIC CYTOKINES AND USES THEREOF

TITLE (FRENCH): CYTOKINES CHIMERES ET EMPLOIS DE CELLES-CI STROM, Terry, B.; ZHENG, Xin-Xiao; INVENTOR(S): STEELE, Alan PATENT ASSIGNEE(S): BETH ISRAEL HOSPITAL ASSOCIATION LANGUAGE OF PUBL.: English Patent DOCUMENT TYPE: PATENT INFORMATION: NUMBER KIND DATE _____ WO 9618412 A1 19960620 DESIGNATED STATES CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE WO 1995-US16046 A 19951212 APPLICATION INFO.: US 1994-8/355,502 19941212 US 1995-8/431,535 19950428 PRIORITY INFO.: Disclosed are chimeric proteins having a cytokine fused to an ABEN enzymatically inactive polypeptide which increases the circulating half-life of the cytokine. The chimeric proteins are useful for treating, inhibiting, or preventing a variety of conditions, including septic shock, granulomatous disorders, Type I diabetes, and various cancers (e.g., multiple myeloma) in a patient. Proteines chimeriques dans lesquelles une cytokine est liee a un ABFR polypeptide inactif sur le plan enzymatique qui accroit la periode de circulation de la cytokine. Les proteines chimeriques servent au traitement, a l'inhibition et a la prevention de diverses affections, y compris le choc septique, les desordres granulomateux, le diabete insulinodependant et divers cancers (comme le myelome multiple). => d his (FILE 'HOME' ENTERED AT 11:26:50 ON 25 MAR 2004) FILE 'MEDLINE, BIOSIS, SCISEARCH, CAPLUS, USPATFULL, PCTFULL' ENTERED AT 11:27:18 ON 25 MAR 2004 2114 S CH2(W) DOMAIN L148703 S (CHIMERA OR CHIMERIC OR FUSION) (S) (PROTEIN OR POLYPEPTIDE OR L2264 S L1(S) (CHIMERA OR CHIMERIC OR FUSION) (S) (PROTEIN OR POLYPEPTID L3 251 S L2 AND L3 L413384 S FC(S) RECEPTOR(S) BIND? L5 38702 S SERUM(S) ((HALF(W)LIFE) OR CLEARANCE) L6 618 S L5(P)L6 L7 44 S L4 AND L7 L8 44 DUP REM L8 (0 DUPLICATES REMOVED) L9 10 S L9 AND PY<=1999 L10 149 S L1(S) (MUTATION OR DELETION OR SUBSTITUTION) L11 4 S L11 AND L10 L12